

Recovery Plan Action Status

Plan Name: Slackwater Darter

Plan Status: Final

Plan Date: 08-Mar-84

Lead Agency: USFWS

Lead Office: Mississippi Ecological Services Field Office

(601)

965-4900)

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Slackwater darter (Etheostoma boschungii)	3	1.1	Conduct winter and early spring census near and in known breeding habitats	Ongoing Not Current	Prior to FY 1995		Contract , Region 4, Endangered Species Program	Research: Migration, Research: Population Surveys	Contract, Graduate Student, Internal Field Assistance, Species Expert	Continue until recovery is accomplished
Slackwater darter (Etheostoma boschungii)	3	1.2	Determine physical habitat requirements including water quality.	Ongoing Not Current	Prior to FY 1995		Contract , Region 4, Endangered Species Program	Other: Regulations, Research: Environmental Contaminants, Research: Habitat Requirements, Research: Habitat Status	Contract, Graduate Student, Internal Field Assistance, Internal Technical Assistance, Species Expert	This is a pilot study. Additional funding may be necessary.
Slackwater darter (Etheostoma boschungii)	3	2.1	Study assembly, migration and migration routes.	Ongoing Not Current	Prior to FY 1995		Contract , Region 4, Endangered Species Program	Research: Demographic Studies, Research: Environmental Contaminants, Research: Habitat Requirements, Research: Habitat Status, Research: Migration, Research: Other Information	Species Expert	
Slackwater darter (Etheostoma boschungii)	3	2.2	Determine reproductive cycle of both sexes.	Ongoing Not Current	Prior to FY 1995		Contract , Region 4, Endangered Species Program	Research: Genetics, Research: Other Information, Research: Population Surveys	Contract, Graduate Student, Internal Technical Assistance, Species Expert	
Slackwater darter (Etheostoma boschungii)	3	2.3	Study development and growth of young.	Ongoing Current	Prior to FY 1995		Contract , Region 4, Endangered Species Program	Research: Genetics, Research: Other Information, Research: Propagation	Contract, Graduate Student, Internal Field Assistance, Species Expert	
Slackwater darter (Etheostoma boschungii)	3	2.4	Determine demography	Ongoing Not Current	Prior to FY 1995		Contract , Region 4, Endangered Species Program	Research: Demographic Studies	Graduate Student, Internal Field Assistance, Species Expert	
Slackwater darter (Etheostoma boschungii)	3	2.5	Study competition and resource partitioning	Ongoing Not Current	Prior to FY 1995		Contract , Region 4, Endangered Species Program	Research: Competition, Research: Other Information	Contract, Graduate Student, Internal Field Assistance, Species Expert	

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Slackwater darter (Etheostoma boschungii)	2	3	Locate breeding habitats for populations in Buffalo River, Flint River, Shoal Creek and Swan Creek	Ongoing Current	Prior to FY 1995		Contract , Region 4, Endangered Species Program	Research: Genetics, Research: Habitat Requirements, Research: Habitat Status, Research: Migration, Research: Other Information, Research: Population Surveys	Contract, Graduate Student, Internal Field Assistance, Species Expert, Volunteer	
Slackwater darter (Etheostoma boschungii)	2	4.1	Continue coordination between the SCS and FWS to protect habitat in the Cypress Creek Watershed	Ongoing Not Current	Prior to FY 1995		Soil Conservation Service , Tennessee Wildlife Resources Agency , Tennessee Heritage Program, Region 4, Endangered Species Program, Alabama Division of Game and Fish	Acquisition: Easement, Acquisition: Fee Title, Acquisition: General, Acquisition: Lease, Acquisition: Management Agreement, Acquisition: Other, Management, Management: General, Management: Habitat Maintenance and Manipulation, Management: Land Use, Management: Planning, Other: Administration, Other: Information and Education, Other: Law Enforcement, Other: Regulations, Research: Environmental Contaminants	Internal Administrative, Internal Field Assistance, Internal Technical Assistance	Accomplish as soon as data required from steps 1,2, and 3 permit
Slackwater darter (Etheostoma boschungii)	2	4.2	Develop and implement a cooperative management plan with the Natchez Trace Parkway Authority	Ongoing Not Current	Prior to FY 1995		Region 4, Endangered Species Program, Natchez Trace Parkway Authority	Management: Habitat Maintenance and Manipulation, Management: Land Use, Management: Planning, Other: Administration, Other: Information and Education, Other: Law Enforcement, Other: Regulations, Research: Habitat Requirements, Research: Habitat Status	Contract, Graduate Student, Internal Administrative, Internal Field Assistance, Internal Technical Assistance, Species Expert, Volunteer	Accomplish as soon as data required from steps 1,2, and 3 permit

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Slackwater darter (Etheostoma boschungii)	2	4.3	Determine and implement most appropriate protection measures for significant habitat on private property.	Ongoing Current	Prior to FY 1995		Tennessee Wildlife Resources Agency , Tennessee Heritage Program, Region 4, Endangered Species Program, Alabama Division of Game and Fish	Acquisition, Acquisition: Easement, Acquisition: Exchange, Acquisition: Fee Title, Acquisition: General, Acquisition: Lease, Acquisition: Management Agreement, Acquisition: Other, Management, Management: General, Management: Habitat Maintenance and Manipulation, Management: Land Use, Management: Planning, Other: Administration, Other: Information and Education, Other: Law Enforcement, Other: Regulations	Internal Administrative, Internal Field Assistance, Internal Technical Assistance	Accomplish as soon as data required from steps 1,2, and 3 permit
Slackwater darter (Etheostoma boschungii)	2	4.4	Protect slackwater darter habitat through local land use planning.	Not Started	Prior to FY 1995		Tennessee Valley Authority , Region 4, Endangered Species Program, Natchez Trace Parkway Authority	Acquisition, Acquisition: Easement, Acquisition: Exchange, Acquisition: Fee Title, Acquisition: General, Acquisition: Lease, Acquisition: Management Agreement, Acquisition: Other, Management: Habitat Maintenance and Manipulation, Management: Land Use, Management: Other, Management: Planning, Other: Administration, Other: Information and Education, Other: Law Enforcement, Other: Regulations	Internal Administrative, Internal Field Assistance, Internal Technical Assistance	Accomplish as soon as data required from steps 1,2, and 3 permit; Continue until recovery is accomplished. Estimates are based on the assumption that steps 1 and 2 will be conducted simultaneously.